

BS in Mathematics - Industrial Concentration

College of Science & Technology

NAME:

W#:

	Grade	Hrs	QP	Minimum Grade of D Required:	Grade	Hrs	QP	Minimum Grade of C required:		
ENGLISH (9 hrs)				ENGL 101: Freshman Comp (3 hrs)				MATH 200: Calculus I (5 hrs)		
				ENGL 102: Critical Reading & Writing (3 hrs)				MATH 201: Calculus II (5 hrs)		
				ENGL 230, 231, <u>or</u> 232: Lit(3 hrs)				MATH 223: Discrete Math (3 hrs)		
NATURAL SCIENCE (16 hrs)				GBIO 151: General Biology I (3 hrs)				MATH 312: Calculus III (3 hrs)	MATHEMATICS (43 hrs)	
				BIOL 152: General Biology Lab I (1 hr)				MATH 350: Differential Equns (3 hrs)		
				CHEM 121: General Chemistry I (3 hrs)				MATH 360: Linear Algebra (3 hrs)		
				CLAB 123: General Chem Lab I(1 hr)				MATH 370: Abstract Algebra I (3 hrs)		
				PHYS 221: General Physics (3 hrs)				MATH 380: Math Statistics (3 hrs)		
				PLAB 223: General Physics Lab (1 hr)				MATH 417: Probability Theory (3 hrs)		
				Science Course Lecture II¹ (3 hrs)				MATH 441: Intro Real Analysis (3 hrs)		
				Science Course Lab II¹ (1 hr)				MATH 402 or 409 (3 hrs)		
				¹ Must choose Biology 153/154 or Chemistry 122/124 or Physics 222/224 to complete a one-year science sequence.						MATH 400-level elective⁴: (3 hrs)
				COMM 211: Introduction to Public Speaking (3 hrs)				MATH 400-level elective⁴: (3 hrs)		
			ECON 102 or 201 or 202 (3 hrs)	⁴ MATH 467, 485, and 486 may not be used to satisfy this requirement.						
			ART, DNCE, MUS, or THEA (3 hrs)	Minimum Grade of D Required:						
			HIST Elective (3 hrs)				CMPS 161: Algorithm Design & Implementation I (3 hrs)	COMP SCI (6 hrs)		
			HIST Elective (3 hrs)				CMPS 280: Algorithm Design & Implementation II (3 hrs)			
			Social Science² (3 hrs)				ET 390: Engineering Economics (3 hrs)	CONCENTRATION ELECTIVES (18 hrs)		
			² Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.						Concentration Elective⁵ (3 hrs)	
			FLAN 101 (3 hrs)				Concentration Elective⁵ (3 hrs)			
			FLAN 102 (3 hrs)				Concentration Elective⁵ (3 hrs)			
			SE 101 or Free Elective³ (2 hrs)				Concentration Elective⁵ (3 hrs)			
			³ SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.					Concentration Elective⁵ (3 hrs)		
			Kinesiology Laboratory (1 hr)	⁵ Choose from ET 361, 371, 375, 410, 425, 433, 435, 436						
			Kinesiology Laboratory (1 hr)							